

ChE-101 ABET Goals

1a Apply Knowledge to chemical engineering from subjects:
1a1 Mathematics
1a1 Perform algebraic computations
1a1 Perform basic matrix operations (add, multiply)
1a1 Express linear algebraic equations in matrix form
1a1 Linearize a non-linear equation
1a1 Perform linear regression
1a4 other engineering disciplines
1a4 Correct use of logic structures
1a4 Appropriate use of Matlab and Quality Programming
1a4 Basic use of Excel
1e Solve engineering problems
1e6 Identify the math problem: recognize linear and nonlinear algebraic equations
1e6 Write a programming logic diagram
1e6 Develop solution algorithm/code
1e8 Check input/output values for reasonableness
2b Communicate
2b2 In written form: Correct presentation and documentation of codes and spreadsheets
2b2 In written form: Correct Matlab output that clearly communicates the results
2b2 In graphical or tabular form: Correct presentation of Graphs and Tables (clear and meaningful graphs and tables)